

<p align="center">EMERGENCY SERVICES DIVISION</p> <p align="center">PROCEDURE</p> <p align="center">BROOKHAVEN NATIONAL LABORATORY</p>		<p>Procedure No. FR-FEX-4.0.4</p> <p>Revision No. 1</p> <p>Page 1 of 3</p>
<p>Procedure Title: Fixed Suppression System Inspection</p>		
<p>1.0 PURPOSE:</p> <p>1.1 Fixed fire suppression systems are initially designed for a defined hazard. These systems utilize special agents that includes carbon dioxide, halogenated agents, dry chemicals, and other patented extinguishing agents.</p> <p>1.2 The procedure establishes an inspection procedure to give maximum assurance that these systems will operate effectively, safely and for its designed purpose.</p> <p>1.3 This inspection procedure is to be performed in conjunction with the Building Inspection Program schedule which will ensure that the frequency of fixed systems inspections are within the guidelines of applicable NFPA Standards.</p> <p>2.0 RESPONSIBILITIES:</p> <p>2.1 The Fire Chief has the overall responsibility for the administration of the Building Inspection Program.</p> <p>2.2 The Coordinating Captain for the Building Inspection Program has the responsibility for monitoring and scheduling the inspection.</p> <p>2.3 The Coordinating Captain for fixed system suppression systems has the responsibility for reviewing recommendations and ensuring that scheduled maintenance and required repairs are performed to assure proper operation of the systems.</p> <p>2.4 It is the responsibility of the designated Building Inspector to perform the inspection outlined in this procedure and report any deficiencies using the Inspection Memo Form as per SOP FR-BIP-2.0.1.</p>		
<p>PREPARED BY:</p> <p>C. LaSalla</p> <p>_____</p> <p>Author/Date</p> <p>Filing Code:</p> <p>FR20SR.01</p> <p>_____</p>	<p>REVIEWED BY:</p> <p>M. Carroll</p> <p>_____</p> <p>Chief/Date</p> <p>J. Vaz</p> <p>_____</p> <p>Division QAC/Date</p>	<p>APPROVED BY:</p> <p>F. Marotta</p> <p>_____</p> <p>Division Manager/Date</p> <p>EFFECTIVE DATE:</p> <p>_____</p> <p>REVIEW CYCLE: 3 years</p>

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3.0 DEFINITIONS:

4.0 PREREQUISITE:

5.0 PRECAUTIONS:

6.0 PROCEDURE:

6.1 A thorough visual observation is to be made of all components to ensure they are in position, in good condition and connected to the system.

6.1.1 The system is in its proper location.

6.1.2 check if there are changes in the type or size of hazard.

6.1.3 The overall physical appearance of the system is acceptable.

6.1.4 The mechanical hardware, piping, hangers, supports and brackets are not corroded or loose.

6.1.5 The nozzles are neither obstructed, corroded or misaligned.

6.1.6 The flexible hoses are not deteriorated or damaged.

6.1.7 Manual actuators, release devices and valves are lined up, unobstructed and not damaged.

6.1.8 Pressure gauges are in the operable range.

6.1.9 Tamper indicators, tags and seals are intact.

6.2 Scan Cylinder Bar Code "Inspection"

7.0 IMPLEMENTATION AND TRAINING:

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- 8.0** **REFERENCES:**
- 81 NFPA - 12, 12A, and 17
 - 8.2 SOP FR-BIP-2.0.0
 - 8.3 SOP FR-BIP-2.0.1

9.0 **ATTACHMENTS:**